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15866 US PTO
123003

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| UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</i> | | Attorney Docket No. 1880-031569 |
| | | First Inventor William H. Howland, Jr. et al. |
| | | Title "METHOD AND APPARATUS FOR DETERMINING . . . " |
| | | Express Mail Label No. EL 971281224 US |

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| APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i> | | ADDRESS TO: |
| | | Commissioner For Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450 |
| <p>1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 19] (<i>preferred arrangement set forth below</i>) <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 4]</p> <p>5. Oath or Declaration [Total Pages 2] <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (<i>for continuation/divisional with Box 18 completed</i>) <ul style="list-style-type: none"> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). </p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | | |
| <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>) <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies </p> | | |
| ACCOMPANYING APPLICATION PARTS <ul style="list-style-type: none"> 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (<i>when there is an assignee</i>) 11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (<i>Should be specifically itemized</i>) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (<i>if foreign priority is claimed</i>) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other: Checks for \$385.00 and \$40.00 | | |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | |
|---|--|-----------|---|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 28289 | | or <input type="checkbox"/> Correspondence address below (Insert Customer No. or Attach bar code label here) |
| Name | William H. Logsdon | | |
| | Webb Ziesenhein Logsdon Orkin & Hanson, P.C. | | |
| Address | 700 Koppers Building | | |
| | 436 Seventh Avenue | | |
| City | Pittsburgh | State | PA |
| Country | United States | Telephone | 412-471-8815 |
| Fax | 412-471-4094 | | |

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|-------------------|--------------------|-----------------------------------|------------------------|
| Name (Print/Type) | William H. Logsdon | Registration No. (Attorney/Agent) | 22,132 |
| Signature | | | Date December 30, 2003 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**PATENT APPLICATION TRANSMITTAL LETTER**

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Transmitted herewith for filing is the patent application of: WILLIAM H. HOWLAND, JR. and
CHRISTINE E. KALNAS

Entitled: "**METHOD AND APPARATUS FOR DETERMINING THE DIELECTRIC CONSTANT
 OF A LOW PERMITTIVITY DIELECTRIC ON A SEMICONDUCTOR WAFER**"

Small Entity Status:

- Small Entity Statement under 37 CFR 1.27 is enclosed
 Small Entity Status is asserted for this application under 37 CFR 1.27

Enclosed are: 19 pages of Specification (comprising 7 pages of Claims and a 1 page Abstract)
 and 4 pages of drawings
 An Assignment of the invention to: Solid State Measurements, Inc.
 Declaration
 Non-Publication Request Under 35 U.S.C. §122(b)(2)(B)(i)

CLAIMS AS FILED

| | <u>No. Filed</u> | <u>No. Extra</u> | <u>Small Entity Rate</u> | <u>Non-Small Entity Rate</u> | <u>Charge</u> |
|----------------------------|------------------|------------------|--------------------------|------------------------------|-----------------|
| Total | | | | | |
| Claims | <u>18</u> | -20 = <u>0</u> | x \$ 9.00 | x \$ 18.00 | \$ <u>0</u> |
| Indep. | | | | | |
| Claims | <u>3</u> | -3 = <u>0</u> | x \$ 43.00 | x \$ 86.00 | \$ <u>0</u> |
| Multiple Dependent Claim/s | | | + \$145.00 | + \$290.00 | \$ <u>0</u> |
| Basic Fee | | | + \$385.00 | + \$770.00 | <u>\$385.00</u> |
| | | | Total of above Charges | | <u>\$385.00</u> |
| | | | Total Fee | | <u>\$385.00</u> |

Checks in the amounts of \$385.00 and \$40.00 are enclosed to cover the filing fee and the Assignment recordal fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

December 30, 2003
 Date

By

William H. Logsdon
 Registration No. 22,132
 Attorney for Applicants
 700 Koppers Building
 436 Seventh Avenue
 Pittsburgh, PA 15219-1818
 Telephone: 412-471-8815
 Facsimile: 412-471-4094
 E-mail: webblaw@webblaw.com

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

WILLIAM H. HOWLAND, JR.
and **CHRISTINE E. KALNAS**

1880-031569

ENTITLED

**"METHOD AND APPARATUS FOR DETERMINING THE DIELECTRIC
CONSTANT OF A LOW PERMITTIVITY DIELECTRIC ON A SEMICONDUCTOR
WAFER"**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number EL 971281224 US

Date of Deposit December 30, 2003

I hereby certify that the following attached paper(s) and/or fee(s):

**PATENT APPLICATION TRANSMITTAL LETTER (1 p., original and two (2) copies);
UTILITY PATENT APPLICATION TRANSMITTAL (1 p.);
SPECIFICATION (19 pp.) (comprising CLAIMS (7 pp.) and ABSTRACT (1 p.));
DRAWINGS (4 sheets);
DECLARATION AND POWER OF ATTORNEY (2 pp);
RECORDATION FORM COVER SHEET (1 p.); ASSIGNMENT (1 p.);
and checks in the amounts of \$385.00 and \$40.00.**

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Deborah L. Medves

(Typed name of person mailing paper or fee)

Deborah L. Medves

(Signature of person mailing paper or fee)